	Application No.	Applicant/s)
Notice of Allowability	Application No.	Applicant(s)
	10/750,562	BOATRIGHT ET AL.
	Examiner	Art Unit
	Michael C. Maskulinski	2113
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	S (OR REMAINS) CLOSED in thi ) or other appropriate communic RIGHTS. This application is subj	is application. If not included cation will be mailed in due course. <b>THIS</b>
1. $\boxtimes$ This communication is responsive to <u>amendment filed 11/</u>	<u>14/06</u> .	
2. The allowed claim(s) is/are <u>1-6,11,15-20 and 24-27</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority une a) ☐ All、 b) ☐ Some* c) ☐ None of the:	nder 35 U.S.C. § 119(a)-(d) or (f	7).
1.  Certified copies of the priority documents have been received.		
2.  Certified copies of the priority documents have	e been received in Application N	lo
3.  Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>		
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.	
(a) I including changes required by the Notice of Draftspers		PTO-948) attached
1)  hereto or 2)  to Paper No./Mail Date	· _•	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in t	the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>		
		· · · · · · · · · · · · · · · · · · ·
Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Inform	nal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sumn Paper No./Mai	
Information Disclosure Statements (PTO/SB/08),     Paper No./Mail Date	7. 🛭 Examiner's Am	endment/Comment
<ol> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol>	8. Examiner's Staf	tement of Reasons for Allowance
	9.	

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Angela Sagalewicz on December 4, 2006The application has been amended as follows:

2. In claim 1, delete amended claim 1 and replace with:

A method comprising:

detecting an error within a cache line of a cache memory;

determining whether the error is a second consecutive error associated with the cache line; and

preventing further use of the cache line if the error is determined to be the second consecutive error associated with the cache line by modifying a cache management system to at least inhibit subsequent access to the cache line, said modifying including at least a selected one of modifying by the cache management system a value corresponding to a particular set such that the cache line is less likely to be accessed than at least one other cache line, and assigning by the cache management system a disable state to the cache line as part of a MESI state assignment.

Application/Control Number: 10/750,562 Page 3

Art Unit: 2113

1. 2113

3. In claim 4, line 4, delete "as a second consecutive error" and replace with "as the second consecutive error".

4. In claim 16, delete amended claim 16 and replace with:

A processor comprising:

a cache memory;

error detection logic coupled to the cache memory, the error detection logic equipped to:

detect an error within a cache line of the cache memory;

determine whether the error is a second consecutive error associated with the cache line; and

prevent further use of the cache line if the error is determined to be the second consecutive error associated with the cache line by modifying a cache management system to at least inhibit subsequent access to the cache line, said modifying including at least a selected one of modifying by the cache management system a value corresponding to a particular set such that the cache line is less likely to be accessed than at least one other cache line, and assigning a disable state to the cache line as part of a MESI state assignment.

5. In claim 25, delete amended claim 25 and replace with:

A system comprising:

a dynamic random access memory and;

Art Unit: 2113

an integrated circuit coupled to the dynamic random access memory, the integrated circuit including a cache memory and error detection logic, wherein the error detection logic is equipped to:

detect an error within a cache line of the cache memory,

determine whether the error is a second consecutive error associated with the cache line, and

prevent further use of the cache line if the error is determined to be the second consecutive error associated with the cache line by modifying a cache management system to at least inhibit subsequent access to the cache line, said modifying including at least a selected one of modifying a value corresponding to a particular set such that the cache line is less likely to be accessed than at least one other cache line, and assigning a disable state to the cache line as part of a MESI state assignment.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Maskulinski whose telephone number is 571-272-3649. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on 571-272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael C Maskulinski

muchael machilination

Examiner

Art Unit 2113